

Analysis of tilling technology influence on forming sum of profits in crop production in the conditions of Sumy region

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There are analyzed the economic development level of individual farms in the Sumy region. The level of crop production profitability in the studied farms is outlined. The tilling technology impact on the profits' formation of crop production is also described. The additional revenue amount from the introduction of modern cultivation technologies is calculated.

The interaction of industrial and scientific-technical spheres provides a technological breakthrough in various fields of business. Innovative agricultural development is a continuous improvement of technical, technological, organizational and socio-economic processes on the basis of science, technology and development of new efficient technologies.

Today the urgent need is to increase a production. High performance can be considered with the production that achieves this goal by reducing costs, improving quality and competitiveness of products. The basis of this method of management can

be effective and efficient implementation of the newest technologies and modern equipment.

It is important to widely introduce innovative technologies, considering the favourable regional climatic, environmental, social, economic and logistical conditions of the Sumy region for growing crops and using advanced experience of domestic enterprises.

Using resource-saving technologies and alternative agricultural enterprises of the Sumy region is an important factor in ensuring high environmental and economic efficiency. Therefore, in practice, farmers carry out their innovation activities towards technological improvement of certain manufacturing operations and technology.

There is the performance indicators calculation of industrial and commercial activities of studied farms in the Sumy region.

The effectiveness of the No-till application is determined based on the analysis of tillage systems influence on the formation of profits in crop production.